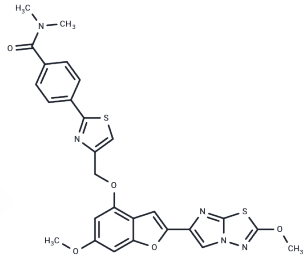
Data Sheet (Cat.No.T63966)

TargetMol

BMS-986141

Chemical Properties



CAS No. : 1478711-48-6

Formula: C27H23N5O5S2

Molecular Weight: 561.63

Storage: Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	BMS-986141(UDM-003183) is a selective and potent protease-activated receptor-4 (PAR-4) antagonist with oral activity and an IC50 value of 0.4 nM.BMS-98614 exhibits significant antithrombotic effects.
Targets(IC50)	Protease-activated Receptor
In vitro	With an IC50 value of 2.2 nM, BMS-986141 (compound 49) inhibits platelet aggregation induced by PAR4 agonist peptide in a concentration-dependent manner, ranging from 0 to 1 μM[1].
In vivo	BMS-986141 (compound 49), administered at a dose of 0.5 mg/kg, demonstrates excellent anti-thrombotic efficacy in cynomolgus monkeys. Additionally, it shows a slight but significant prolongation of KBT (kidney bleeding time)[1][2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7805 mL	8.9027 mL	17.8053 mL
5 mM	0.3561 mL	1.7805 mL	3.5611 mL
10 mM	0.1781 mL	0.8903 mL	1.7805 mL
50 mM	0.0356 mL	0.1781 mL	0.3561 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

E Scott Priestley, et al. Discovery of Two Novel Antiplatelet Clinical Candidates (BMS-986120 and BMS-986141) That Antagonize Protease-Activated Receptor 4. J Med Chem. 2022 Jul 14;65(13):8843-8854.
P Wong, et al. Favorable therapeutic index of an orally-active small-molecule antagonist of the platelet protease-activated receptor-4, BMS-986141, compared with the P2Y12 antagonist ticagrelor in cynomolgus monkeys. European Heart Journal, Volume 41, Iss

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